# C4ISR Transformation & Fusion Government & Industry Conference

20:NOV:08

The Army's C4ISR Enterprise Approach to Expeditionary Warfare



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AMERICA'S ARMY: THE STRENGTH OF THE NATION



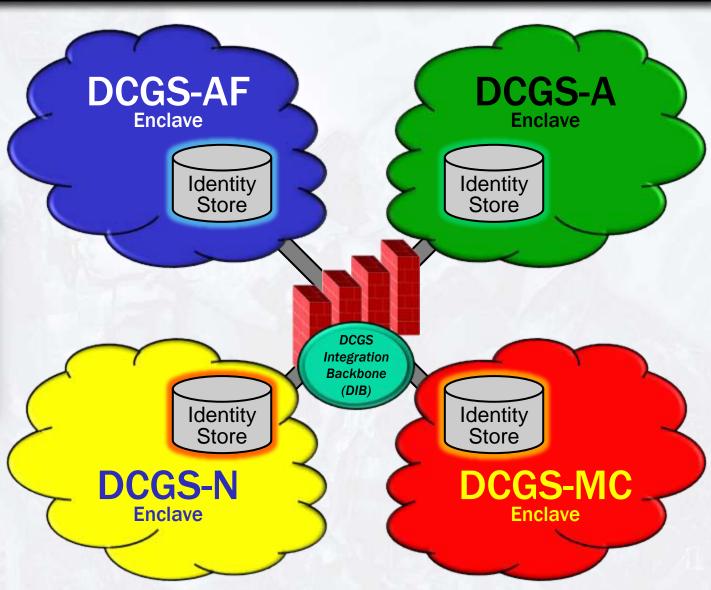


## What's the Problem?





Can we actually fix this?





### What do we do?



- ★ Start by addressing transport problems
  - Federate and then converge IP Enclaves (e.g., MEDCOM, COE, AMC)
  - Augment teleports where they don't exist (Fixed Regional Hub Nodes)
- ★ Adopt and Implement a DoD/IC Enterprise Security ID Management Architecture
- ★ Move Data and Applications to the Net (Area Processing Centers)
- ★ Where there is a clear and compelling purpose, adopt Web 2.0 collaborative tools to revise business processes to deliver agile capabilities.



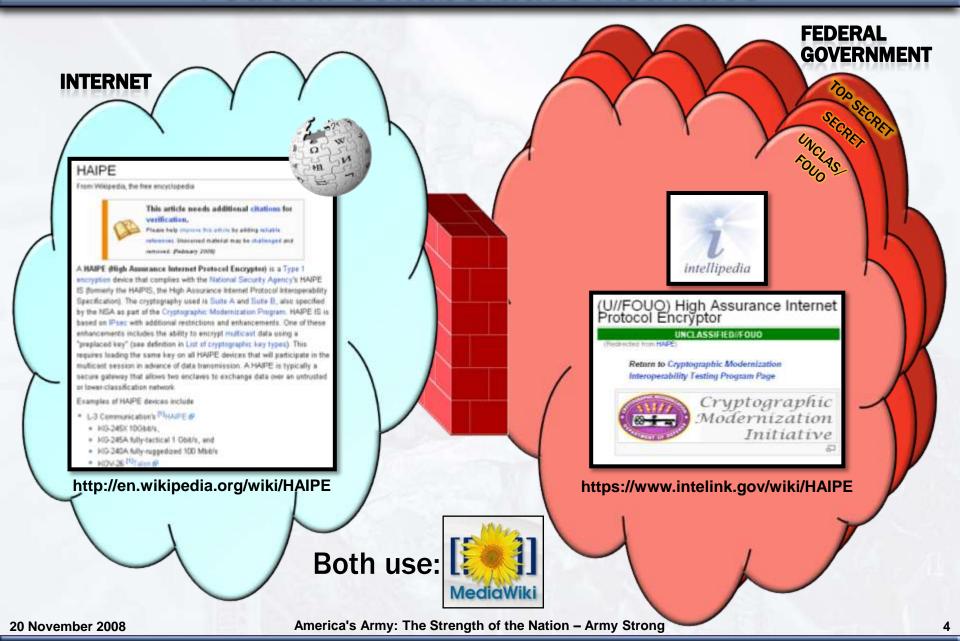






### Intellipedia is an Enabler for Federal Collaborative Activities







## Global Network Enterprise Construct (GNEC)



#### Connectivity

Regional Hub Node (RHN)

Network Service Center (NSC) – EUCOM

- GIG Integration
- Regional Networks
- Base Infrastructure

**Area Processing Center** 

(APC)

- SATCOM Connect/Management
- DISN Optimization
- Single DOIM

Theater NetOps & Security

Center (TNOSC)

#### **Services**

- Data Strategy
- Authoritative Data
- Data Warehouse
- Virtualized Services
- Web Portals
- · SOA
- Collaboration
- Integration of Joint Services
- Portfolio Management
- Green IT

#### <u>NetOps</u>

- Security Policy
- **Service Level**
- **Agreements**
- Global Identity Mgmt
- Single Logical
   Network/Federation
- Network Provisioning
- Network SA
- Content Delivery/ Caching
- Spectrum Mgmt

#### Other

(NSC) - SWA

(NSC) - CONUS (X2)

(NSC) - PACOM

- Global/Theater Commands
- Joint Basing Communications
- Enterprise Governance
- Network Training



## Global Network Enterprise Construct (GNEC)

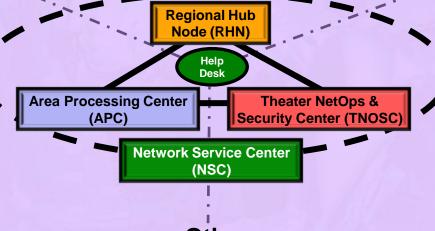


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#### **NetOps**

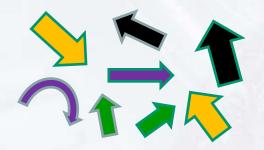
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# **NSC Concept of Operation**





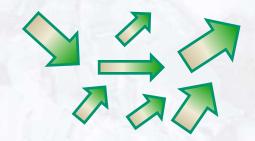


**Organizational** 

#### **LandWarNet Now**

- Fragmented
- Not Standardized
- Unsecure
- Expensive

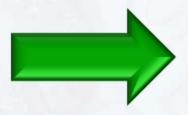




**Federated** 



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**Enterprise** 

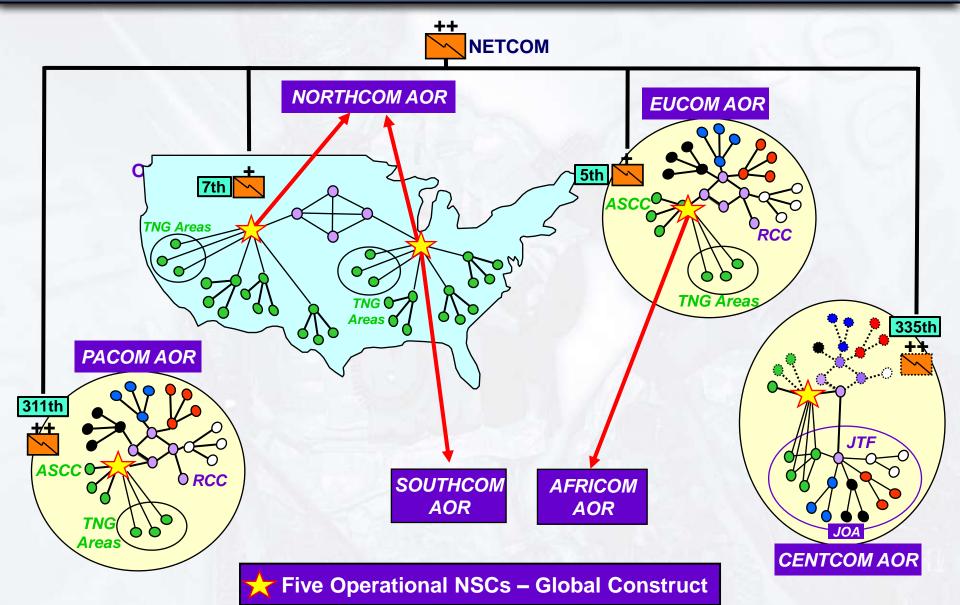
#### **LandWarNet Future**

- Global
- Standardized
- Protected
- Economical



# LANDWARNET NetOps / C2



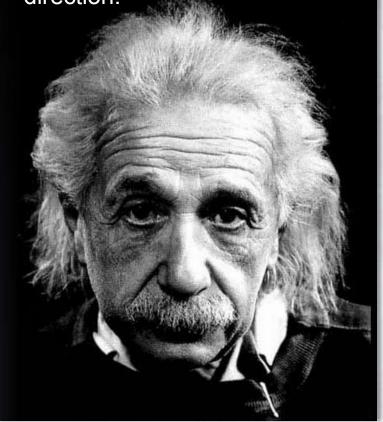




# Take Aways



"Any intelligent fool can make things bigger and more complex...It takes a touch of genius – and a lot of courage to move in the opposite direction."



# Key enablers for agile, collaborative, expeditionary warfare:

- End-to-end, seamless, joint IP network
- Enterprise ID Management Architecture
- Data and Applications on the Net
- Agile, effective NetOps / C2
- Where there is a clear and compelling purpose, adopt Web 2.0 collaborative tools to revise business processes to deliver agile capabilities.

  Sawage Chickens
  by Doug Savage





Army Strong!